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A - [001] 014 02& 021 022 023 04- 06- 10& 15- 198 228 231 238 239 245 250
251 257 259 263 267 278 316 318 342 381 398 402 403 408 409 414 415
42- 435 450 497 528 529 532 537 551 567 57- 573 633

AP - JP19900206693 19900803

CPY - MITR

DC - A11 A92 D12 D13

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FS - CPI

IC - B29C47/00 ; C08J5/18 ; C08L5/00

KS - 0045 0211 0226 0231 1989 2280 2310 2318 2380 2386 2393 2451 2509 2518
2575 2635 2677 2780

MC - A03-A A11-B04C A12-P01A A12-S06 A12-W09 D03-H02F

PA - (MITR) MITSUBISHI RAYON CO LTD

PN - JP4089841 A 19920324 DW199218 005pp

PR - JP19900206693 19900803

XA - C1992-068352

XIC - B29C-047/00 ; C08J-005/18 ; C08L-005/00

AB - J04089841 The film is made of a compsn. comprising a water-soluble polysaccharide, a polyol and water. It contains less than 25 wt.% water and has a wt. ratio of polyol to water-soluble polysaccharide of 0.2:1.

- It is prep'd. as follows: a soln. of a water-soluble polysaccharide in a water medium contg. 0.2-20 wt.% of a polyol is formed to give a tubular material; the tubular material is dried to give a water content of less than 25 wt.% and a wt. ratio of polyol to water-soluble polysaccharide of 0.2:1 and coagulated to give an insoluble tubular polysaccharide film; or at least one side of the tubular material is contacted with a coagulating liq. and coagulated to give the insoluble tubular polysaccharide film.

- The polysaccharide is e.g. alginic acid or kappa-carrageenan. The polyol is e.g. glycerine or sorbitol. The coagulating liquid is e.g. KCl water soln.

- USE/ADVANTAGE - The tubular polysaccharide film is used as a food packaging film. It is edible casing material.

- In an example, a soln. comprising 7 pts.wt. of kappa-carrageenan, 3 pts.wt. of glycerine, 2 pts.wt. of sorbitol and 100 pts.wt. of water was extruded through a tube nozzle to give a tubular material. Both sides of the tubular material were contacted with KCl water soln. for 5 secs. and dried to give a tubular carrageenan film with a water content of 20 wt.% and a tensile strength of 4.0 kg/mm². (0/0)

- (Dwg.0/0 0 g. o)

IW - TUBE POLYSACCHARIDE FILM EDIBLE FOOD PACKAGE COMPOSE WATER SOL
POLYSACCHARIDE ALGINIC ACID KAPPA CARRAGEENAN POLY OL GLYCEROL
SORBITOL WATER

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POLYSACCHARIDE ALGINIC ACID KAPPA CARRAGEENAN POLY OL GLYCEROL
SORBITOL WATER

NC - 001

OPD - 1990-08-03

ORD - 1992-03-24

PAW - (MITR) MITSUBISHI RAYON CO LTD

**TI - Tubular polysaccharide film for edible food packaging - composed of
water-sol. polysaccharide e.g. alginic acid or kappa-carrageenan,
poly:ol e.g. glycerine or sorbitol and water**